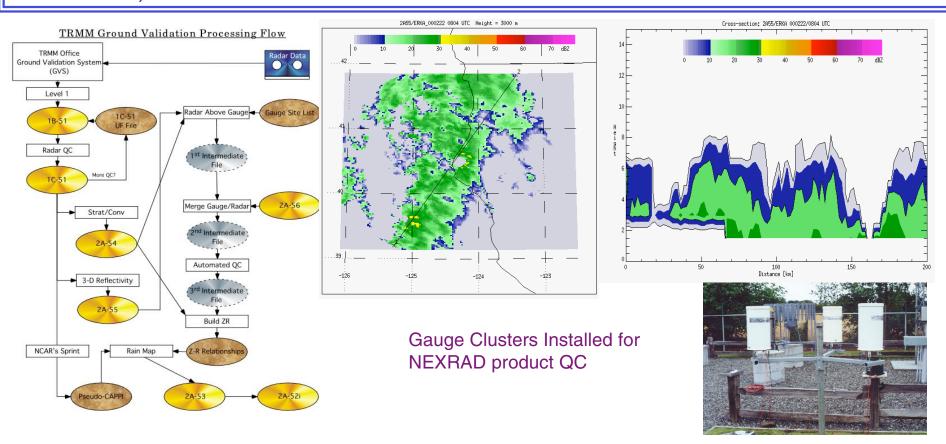
## AMSR-E Rainfall Validation - Eureka, CA

## **Primary Objective:**

•Utilize NWS NEXRAD to develop rain rate, type, vertical distribution, freezing level height products to better understand mid-latitude land and ocean winter season precipitation characteristics.

#### Status:

- •Preliminary products generated for winter 2000 and 2001 seasons
- •Gauge clusters in place to aid in testing Z-R relationships
- •Automated, near-real time access available for 2002-03 wet season



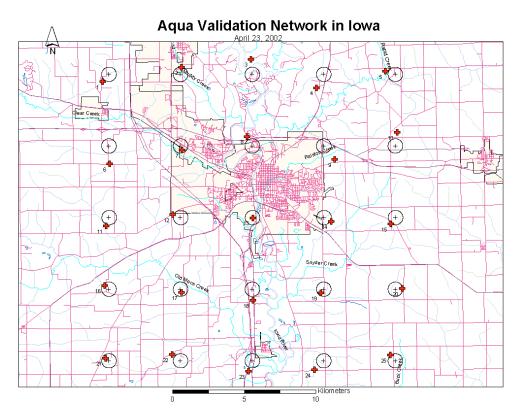
# **AMSR-E Rainfall Validation - Iowa City, IA**

## **Primary Objectives:**

- •Install & maintain dense network (25 gauges @5 km spacing) of high quality gauges to:
  - •Assess rainfall spatial & temporal variability at scales comparable to a satellite FOV.
  - •Obtain ground rainfall estimates with low sampling error & develop accurate error models

#### Status:

- •Gauges installed in summer of 2002; data collection began in August 2002
- •Relational database with web access under development and undergoing initial test phase



### Site 01



k for high resolution image (~700 KB)

ocation (lat,lon) = 41.72345, -91.66575 te location ID = 11

| 66                   | 2001 >>              |                      |                      |
|----------------------|----------------------|----------------------|----------------------|
| January              | February             | March                | April                |
| SHIWIFS              | SMIWIFS              | SHIWIFS              | S M T W T F S        |
| 1 2 3 4 5 6          | 1 2 3                | 123                  | 1 2 3 4 5 6 7        |
| 7 8 9 10 11 12 13    | 4 5 6 7 8 910        | 4 5 6 7 8 910        | 8 910 11 1213 14     |
| 14 15 16 17 18 19 20 | 11 12 13 14 15 16 17 | 11 12 13 14 15 16 17 | 15 16 17 18 19 20 21 |
| 21 22 23 24 25 26 27 | 18 19 20 21 22 23 24 | 18 19 20 21 22 23 24 | 22 23 34 25 36 27 28 |
| 28 29 30 31          | 25 26 27 28          | 25 26 27 28 29 30 31 | 29 30                |
| M                    | June                 | Table .              | August               |
| May                  | - June               | July                 | August               |
| 1 2 3 4 5            | 1 2                  | 1234567              | 1 2 3 4              |
| 6 7 8 91011 12       | 14 56 7 8 9          | 0 910 11 1213 14     | 5 6 7 2 9 10 11      |
|                      |                      |                      | 121314 15 16 17 18   |
| 13 14 15 16 17 18 19 | 10 11 12 13 14 15 16 |                      |                      |
| 20 21 22 23 24 25 26 |                      | 22 23 24 25 26 27 28 |                      |
| 27 28 29 30 31       | 24 25 26 27 28 29 30 | 29 30 31             | 26 27 28 29 30 31    |
| September            | October              | November             | December             |
| SHIWIFS              | SMIWIFS              | SHIWIFS              | 5 M T W T F 5        |
| 1                    | 1 2 3 4 5 6          | 1 2 3                | 1                    |
| 2 3 4 5 6 7 8        | 7 8 9 10 11 12 13    | 4 5 6 7 8 910        | 2345678              |
| 9 10 11 12 13 14 15  | 14 15 16 17 18 19 20 | 11 12 13 14 15 16 17 | 9 10 11 12 13 14 15  |
| 16 17 18 19 20 21 22 | 21 22 23 34 25 36 27 | 18 19 20 21 22 23 24 | 16 17 18 19 20 21 22 |
| 23 24 25 26 27 28 29 | 28 29 30 31          | 25 26 27 28 29 30    | 23 24 25 26 27 28 29 |
| 30                   |                      |                      | 30 31                |
|                      |                      |                      |                      |

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